

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number  
**WO 2005/015854 A1**

(51) International Patent Classification<sup>7</sup>: **H04L 12/56**,  
G06F 13/38, H04L 29/06, H04M 11/06

(21) International Application Number:  
PCT/EP2004/008581

(22) International Filing Date: 30 July 2004 (30.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03017485.8 1 August 2003 (01.08.2003) EP

(71) Applicant (for all designated States except US): **FG MICROTEC GMBH** [DE/DE]; Kronstadter Strasse 9, 81677 München (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MIRBAHA, Vahid,**

Robert [DE/DE]; Obere Hauptstr. 22, 85386 Eching (DE). **HOFMANN, Matthias** [DE/DE]; Frühlingstrasse 58, 87719 Mindelheim (DE). **KELZ, Thomas** [DE/DE]; Heidesteig 6, 16767 Germendorf (DE).

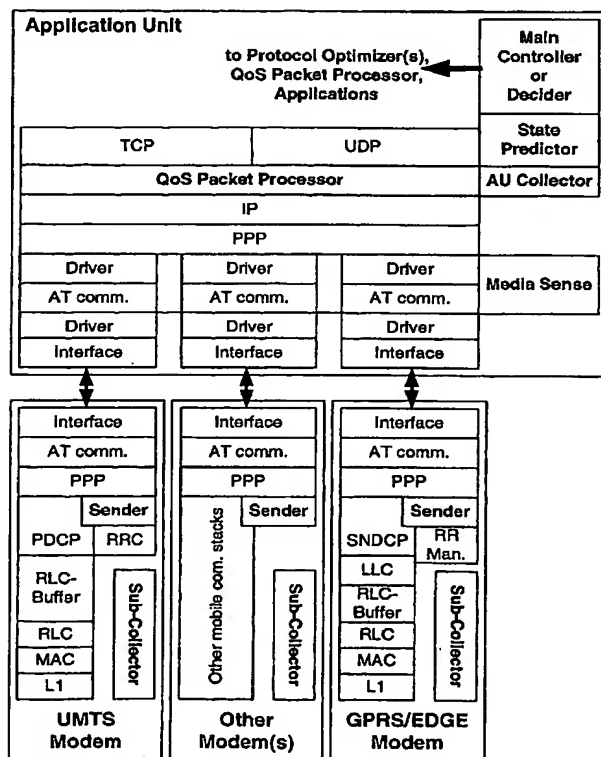
(74) Agent: **KÖLLNER & PARTNER**; Kennedyallee 109, 60596 Frankfurt (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: **DISTRIBUTED QUALITY-OF-SERVICE MANAGEMENT SYSTEM**



(57) Abstract: An application unit and a modem unit for mobile communication are provided. The application unit comprises at least one application that exchanges data traffic with at least one protocol stack, wherein said at least one protocol stack transfers data between at least one of the applications and at least one physical interface. The modem unit comprises a broadcast facility for setting up a wireless connection, and at least one transmission protocol stack for transferring data traffic between the at least one physical interface and the broadcast facility. The modem unit collects flow control information about the status of the wireless connection. The flow control information are packed into an IP packet which is sent via the physical interface to the application unit. The application unit uses the received flow control information to optimize the quality of service.



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

**Published:**

— *with international search report*

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